**All Homework for Geometry**

**Polygons, Area (Chapter 11)**

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| Standard | Assignment | Test Score |
| **1.1 Be able to use and apply fundamental vocab in geometry** | Vocab from wikispace  Pg 44 3-10  Quadrilateral worksheet |  |
| **11.1 Solve problems involving the area of triangles, quadrilaterals, circles and regular polygons** | pg 723 3-6, 8, 16-20, 22, 38  pg 733 3-6, 16, 17  Pg 749 3-9, 24, 25, 37  Pg 758 3-9, 37 |  |
| **11.2 Solve problems involving irregular/composite figures** | worksheet  All assignments from 11.1 |  |

**Surface Area and Volume of Solids (Chapter 12)**

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| Standards | Assignment | Extra study problems | Test Score |
| **Standard 1.1 Be able to use and apply fundamental vocab in geometry** | pg 798 3-5, 7-10, 15-19 (skip Euler), 25-27  vocab from Ch 11 | p.798(3,4,6,7,9) |  |
| **LT 12.2 Be able to find the surface area of polyhedron such as prisms and pyramids using nets** | Pg 806 5, 6, 13, 25, 27a  Pg 814 3, 5, 6, 9, 23 | p.807(6,8,13)  p.815(20,21) |  |
| **LT 12.3 Be able to find the surface area of other solids such as cylinders, cones and spheres.** | p. 807 3, 9-11, 14, 22  Pg 814 10-15, 22  Pg 842 3-11, 21-23 (only SA on 21-23) | p.807(10,11,14)  p.815(18,19,24) |  |

**Surface Area and Volume of Solids Continued (Chapter 12)**

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| Learning Target | Assignment | Test Score |
| **LT 12.4 Be able to find the volume of solids** | Pg 823 7, 8, 10, 11, 17-20  Pg 832 3-6, 12, 13, 20  Pg 842 12-14, 21 volume, 22 volume |  |

**Essentials of Geometry (Chapter 1)**

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| Learning Target | Assignment | Extra study problems | Test Score |
| **LT 1.1 Be able to use and apply fundamental vocabulary in geometry** | Pg 5 1-22 evens!  KNOW ALL THE VOCAB!!!!! | Define complementary, supplementary, angle, endpoints, ray |  |
| **LT 1.2 Use correct geometrical notation when representing key geometrical terms.** | Same as above | Pg 5 1, 8, 18 |  |
| **LT 1.3 Use the distance and midpoint formula when working with segments.** | Pg 12 10, 16, 18, 22-24, 28-30  Pg 19 11, 17-19, 25, 26, 31-34 (no decimals), 50 | Pg 19 22, 30, 50a, b, c |  |
| **LT 1.4 Classify angles and angle pairs.** | pg 28 3, 4, 11-13, 22-26  Pg 38 3, 4, 8, 9, 31-44 | Pg 896 31-35 |  |

**Proof (Chapter 2)**

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| Learning Target | Assignment | Extra study problems |
| **LT 2.1 Apply the basic axioms, theoerems, and the reasonings behind proof to various statements** | Pg 82 3-6, 7-9 (skip contrapositive) 11, 12  pg 99 3, 4, 6-8, 14-23 | Pg 109 21-25 |
| **LT 2.2 Write proofs involving algebra, segments and angles** | Pg 108 3, 8-11, 21-25  Pg 116 3, 5-12, 16-18, 23, 24  Pg 128 37, 38, 42, 28, 29 | Pg 899 27, 28, 34 |

**Parallel and Perpendicular Lines (Chapter 3)**

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| Learning Target | Assignment | Extra study problems | Test Score |
| **LT 1.4 Classify angles and angles pairs** | p.150 3-15,18-27  pg 157 9-19, 27, 37  pg 165 3-6, 10,11,31 |  |  |
| **LT 2.2: Prove theorems about lines and angles.** | Same as above | Pg 159 37, 41 |  |
| **LT 3.1 Write equations of parallel and perpendicular lines.** | pg 175 3-8, 13, 14, 16, 17, 19, 23, 36  pg 184 3-5, 10-12, 16-19, 23-26, 30-33, 36-41, 46  pg 194 2-7, 15, 16 | Pg 901 24, 27, 33, 34 |  |

**Triangle Congruence (Chapter 4)**

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| Learning Target | Assignment | Extra Study problems | Test Score |
| **LT 4.1** Apply properties of triangles to find angle and side measures | Pg 221 1-8, 14-19, 32 | Pg 903 30-32, 34, 35 |  |
| **LT 4.2** Use definitions, postulates, and theorems to state when triangles are congruent | pg 228 5-12, 15, 16, 20  worksheet | Pg 903 20-22 |  |
| **LT 4.3 Use congruence for triangles to prove relationships in geometric figures. (G-SRT 5)** | Proof worksheet  Section 4.7 pg 267 3-13, 15-17 | Pg 902 12, 13, 25 (write proofs) |  |

**Triangle Inequalities (Chapter 5)**

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| Learning Target | Assignment | Extra study problems | Test Score |
| **LT 5.1 Be able to prove and apply the triangle Midsegment theorem** | p.298 1-13, 21,24,25, 27 |  |  |
| **LT5.2 Be able to prove and apply the Perpendicular, Angle Bisector, and Median Theorems** | Pg 306 3-8, 11-14  Pg 313 3-8, 12-14  Pg 322 3-7, 17-24 |  |  |
| **LT 5.3 Be able to apply vocabulary and the Triangle Inequality Theorem** | Vocabulary  p.331 1-12,16-26 |  |  |

**Similar Triangles (Chapter 6)**

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| Learning Target | Assignment | Extra study problems | Test Score |
| LT 6.1 Be able to apply and use ratios and proportions | pg 360 3-5, 11, 17-21  Pg 360 23-30, 42, 43  Pg 367 11, 12, 16, 17, 22, 28, 29 |  |  |
| LT 6.2 Use the Triangle Similarity Relationships to solve problems. | Pg 376 3, 7-17, 23-26, 31  pg 384 3-13  pg 391 3-11  pg 400 3,4, 9-11 |  |  |

**Trigonometry (Chapter 7)**

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| Learning Target | Assignment | Test Score |
| LT 7.1 Be able to prove and apply the Pythag Theorem | Pg 436 3-5, 11, 12, 24-26  Pg 444 3,5,13,15,17, 23,36 |  |
| LT 7.2 Be able to find unknown sides of right triangles using similarity or special right triangles. | Pg 453 3,4,13-17, 23  Pg 461 3-5, 11  Pg 461 8-10, 12-15  Worksheet |  |
| LT 7.3 Be able to find unknown sides or angles of right triangles using trigonometry | Pg 469 3-5 (no decimals); Pg 477 3-9 (no decimals)  Pg 469 6-8, pg 476 10-15, 22-24  Pg 485-488 3-5, 10-15 |  |

**Quadrilaterals (Chapter 8)**

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| Learn Target | Assignments Test Score | | |
| LT **8.2** Apply angle sum formulas to polygons | Pg 510 3-15 odd |  |
| LT **8.1** Prove theorems about parallelograms and use coordinates to prove a shape is a parallelogram | pg 526 4-6, 8-10, 15-21 (write proofs for 15-17)  pg 526b 11-14 and pg 538 50, 51 |  |
| LT 8.3 State and apply the properties of special quadrilaterals | pg 518 3-15  pg 537 3-13 odd, 19-24, 26-29, 33-49 odd (skip 37, 43)  pg 546 7-16, 25-27  pg 546 18-21 |  |

**Transformations (Chapter 9)**

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| Learning Target | Assignment | Extra problems | Test Score |
| LT 9.1 Transform a given figure | pg 576 3-12, 28-31  pg 593 3-10  Pg 602 3-8, 12, 13, 20, 21  pg 611 3, 7, 8, 13, 14  Pg 629 2, 7, 14, 21, 22, 33, 34 |  |  |
| LT 9.2 Describe the symmetry, congruence, or similarity in a figure | vocab+Escher quest  pg 621 3-15 odd, 27-33 |  |  |
| LT 9.3 Graph and write the equation of a circle | Pg 702 3-18  Pg 703 20-30 |  |  |

**Properties of Circles (Chapter 10)**

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| Learning Target | Assignment | Extra problems | Test Score |
| **LT 10.1 Identify and apply angle and segment relationships in circles.** | p.655 3-10,12,13,19, 21-24, 37  p.661 3-14,16,22,23  pg 676 3-8, 10-14  p.667 6, 7, 9-11 p.692 3-5, 13 |  |  |
| **LT 10.2 Identify and apply sector area and circumference in circles.** | Handout  pg 750 15-23  pg 758 11-14 |  |  |